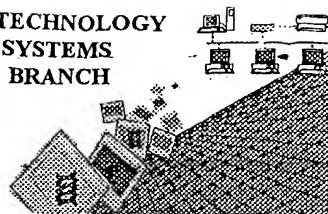


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/075,738
Source: oipe
Date Processed by STIC: 10-10-03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/675,738

DATE: 10/10/2003

TIME: 14:47:22

Input Set : A:\Sequence-Listing.txt

Output Set: N:\CRF4\10102003\J675738.raw

SEQUENCE LISTING

```

E--> 14 Ridout & Maybee LLP
E--> 15 19th Floor - 150 Metcalfe Street
E--> 16 Ottawa, Ontario
E--> 17 K2P 1P1
C--> 3 (1) GENERAL INFORMATION:
      5 (i) APPLICANT: ROMEO, Tony; SUZUKI, Kazushi; and WANG, Xin
      7 (ii) TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING
      8 BACTERIAL FUNCTIONS
     10 (iii) NUMBER OF SEQUENCES: 8
     12 (iv) CORRESPONDENCE ADDRESS:
C--> 19 (v) COMPUTER READABLE FORM:
C--> 21 (B) COMPUTER: IBM Compatible
C--> 22 (C) OPERATING SYSTEM: MS DOS
C--> 23 (D) SOFTWARE: EditPad
     25 (vi) CURRENT APPLICATION DATA:
C--> 27 (A) APPLICATION NUMBER: US/10/675,738
C--> 28 (B) FILING DATE: 29-Sep-2003
W--> 35 (C) CLASSIFICATION:
     31 (vii) PRIOR APPLICATION DATA:
C--> 33 (A) APPLICATION NUMBER: 60/414,351
C--> 34 (B) FILING DATE: 30-Sep-2002

```

ERRORED SEQUENCES

```

C--> 37 (2) INFORMATION FOR SEQ ID NO: 1
     39 (i) SEQUENCE CHARACTERISTICS:
C--> 41 (A) LENGTH: 7
E--> 42 (B) TYPE:
C--> 43 (C) STRANDEDNESS:
C--> 44 (D) TOPOLOGY:
W--> 46 (ii) MOLECULE TYPE: RNA
     48 (iii) HYPOTHETICAL:
     50 (iv) ANTI-SENSE:
W--> 52 (v) FRAGMENT TYPE:
     54 (vi) ORIGINAL SOURCE:
     56 (vii) IMMEDIATE SOURCE:
     58 (viii) POSITION IN GENOME:
C--> 60 (A) CHROMOSOME/SEGMENT:
C--> 61 (B) MAP POSITION:
C--> 62 (C) UNITS:
     64 (ix) FEATURE:

```

10/675,738
page 2

SEQUENCE LISTING

1. (1)

GENERAL INFORMATION:

- (i) APPLICANT: ROMEO, Tony; SUZUKI, Kazushi; and WANG, Xin
- (ii) TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING BACTERIAL FUNCTIONS
- (iii) NUMBER OF SEQUENCES: 8
- (iv) CORRESPONDENCE ADDRESS:

Ridout & Maybee LLP
19th Floor - 150 Metcalfe Street
Ottawa, Ontario
K2P 1P1

COMPUTER-READABLE FORM:

- (A) a) COMPUTER: IBM Compatible
(B) b) OPERATING SYSTEM: MS DOS
(C) c) SOFTWARE: EditPad

- (A) MEDIUM TYPE:
(B) COMPUTER:
(C) OPERATING SYSTEM:
(D) SOFTWARE:

CURRENT APPLICATION DATA:

- (A) a) APPLICATION NUMBER:
(B) b) FILING DATE:
(C) c) CLASSIFICATION:

- (vii) PRIOR APPLICATION DATA:

- (A) a) APPLICATION NUMBER: 60/414,351
(B) b) FILING DATE: 09/30/2002 30-SEP-2002
(C) c) CLASSIFICATION:

(A) ADDRESSEE:
(B) STREET:
(C) CITY:
(D) STATE:
(E) COUNTRY:
(F) ZIP:
(These should all be in capital letters).

Attached is a sample sequence.

// (2)

INFORMATION FOR SEQ ID NO: 1

(i) SEQUENCE CHARACTERISTICS:

- (A) a) LENGTH: 7
(B) b) TYPE:
(C) c) STRANDEDNESS:
(D) d) TOPOLOGY:
- } Mandatory
Response

(ii) MOLECULE TYPE: RNA

(iii) HYPOTHETICAL:

(iv) ANTI-SENSE:

(v) FRAGMENT TYPE: ?

(vi) ORIGINAL SOURCE: → (A) ORGANISM:
(B) INDIVIDUAL / ISOLATE:

(vii) IMMEDIATE SOURCE: (C) CELL TYPE:

(viii) POSITION IN GENOME: → (A) LIBRARY:
(B) CLONE:

- (A) a) CHROMOSOME/SEGMENT:
(B) b) MAP POSITION:
(C) c) UNITS:

(ix) FEATURE:

- (A) a) NAME/KEY:
(B) b) LOCATION:
(C) c) IDENTIFICATION METHOD:
(D) d) OTHER INFORMATION:

(x) PUBLICATION INFORMATION:

- (A) a) AUTHOR(S):
(B) b) TITLE:
(C) c) JOURNAL:
(D) d) VOLUME:
(E) e) ISSUE:
(F) f) PAGE(S):
(G) g) DATE:
(H) h) ? DOCUMENT NUMBER:
(I) i) ? FILING DATE:
(J) j) ? PUBLICATION DATE:
(K) k) ✓ RELEVANT RESIDUES IN SEQUENCE ID NO:

(xi) SEQUENCE DESCRIPTION: SEQUENCE ID NO: 1

CAGGAUG

If no
Response
please
delete.

(3) Computer: Apple Macintosh;
(i) Operating System: Macintosh;
(ii) Macintosh File Type: text with line termination

(iii) Line Terminator: Pre-defined by text type file;

(iv) Pagination: Pre-defined by text type file;

(v) End-of-file: Pre-defined by text type file;

(vi) Media: (A) Diskette—3.50 Inch, 400 Kb storage;

(B) Diskette—3.50 Inch, 800 Kb storage;

(C) Diskette—3.50 Inch, 1.4 Mb storage;

(vii) Print Command: Use PRINT command from any Macintosh Application that processes text files, such as MacWrite or Teach Text;

(4) Magnetic tape: 0.5 Inch, up to 2400 feet;

(i) Density: 1600 or 6250 bits per inch, 9 track;

(ii) Format: raw, unblocked;

(iii) Line Terminator: ASCII Carriage Return plus optional ASCII Line Feed;

(iv) Pagination: ASCII Form Feed or Series of Line Terminators;

(v) Print Command (Unix shell version given here as sample response—mt/dev/rmt0; lpr/doy/rmt0);

(g) Computer readable forms that are submitted to the Office will not be returned to the applicant.

(h) All computer readable forms shall have a label permanently affixed thereto on which has been hand printed or typed, a description of the format of the computer readable form as well as the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form and the name and type of computer and operating system which generated the files on the computer readable form. If all of this information cannot be printed on a label affixed to the computer readable form, by reason of size or otherwise, the label shall include the name of the applicant and the title of the invention and a reference number, and the additional information may be provided on a container for the computer readable form with the name of the applicant, the title of the invention, the reference number and the additional information affixed to the container. If the computer readable form is submitted after the date of filing

under 35 U.S.C. 111, after the date of entry in the national stage under 35 U.S.C. 371 or after the time of filing, in the United States Receiving Office, an international application under the PCT, the labels mentioned herein must also include the date of the application and the application number, including series code and serial number.

§ 1.825 Amendments to or replacement of sequence listing and computer readable copy thereof.

(a) Any amendment to the paper copy of the "Sequence Listing" (§ 1.821(c)) must be made by the submission of substitute sheets. Amendments must be accompanied by a statement that indicates support for the amendment in the application, as filed, and a statement that the substitute sheets include no new matter. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(b) Any amendment to the paper copy of the "Sequence Listing" in accordance with paragraph (a) of this section, must be accompanied by a substitute copy of the computer readable form (§ 1.821(e)) including all previously submitted data with the amendment incorporated therein, accompanied by a statement that the copy in computer readable form is the same as the substitute copy of the "Sequence Listing." Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(c) Any appropriate amendments to the "Sequence Listing" in a patent, e.g., by reason of release or certificate of correction, must comply with the requirements of paragraphs (a) and (b) of this section.

(d) If, upon receipt, the computer readable form is found to be damaged or unreadable, applicant must provide, within such time as set by the Commissioner, a substitute copy of the data in computer readable form accompanied by a statement that the substitute data is identical to that originally filed. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

Appendix A—Sample Sequence Listing

(1) GENERAL INFORMATION:

- (i) APPLICANT: Doe, Joan X. Doe, John Q
(ii) TITLE OF INVENTION: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
(iii) NUMBER OF SEQUENCES: 2
(iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Smith and Jones
(B) STREET: 123 Main Street
(C) CITY: Smalltown
(D) STATE: Anystate
(E) COUNTRY: USA
(F) ZIP: 12345
(v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette, 3.50 Inch, 800 Kb storage
(B) COMPUTER: Apple Macintosh
(C) OPERATING SYSTEM: McIntosh 5.0
(D) SOFTWARE: MacWrite
(vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: 09/899,999
(B) FILING DATE: 28-FEB-1989
(C) CLASSIFICATION: 999/99
(vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER: PCT/US88/99999
(B) FILING DATE: 01-MAR-1988
(viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Smith, John A.
(B) REGISTRATION NUMBER: 00001
(C) REFERENCE/DOCKET NUMBER: 01-0001
(ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: (909) 999-0001
(B) TELEFAX: (909) 999-0002
(2) INFORMATION FOR SEQ ID NO: 1:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 954 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: genomic DNA
(iii) HYPOTHETICAL: yes
(iv) ANTI-SENSE: no
(vi) ORIGINAL SOURCE:
(A) ORGANISM: *Paramecium* sp.
(C) INDIVIDUAL/ISOLATE: XYZZ
(G) CELL TYPE: unicellular organism
(vii) IMMEDIATE SOURCE:
(A) LIBRARY: genomic
(B) CLONE: Para-XYZZ/36
(x) PUBLICATION INFORMATION:
(A) AUTHORS: Doe, Joan X. Doe, John Q
(B) TITLE: Isolation and Characterization of a Gene Encoding a-Protease from *Paramecium* sp.
(C) JOURNAL: Fictional Genes
(D) VOLUME: 1
(E) ISSUE: 1
(F) PAGES: 1-20
(G) DATE: 02-MAR-1988
(K) RELEVANT RESIDUES IN SEQ ID NO. 1: FROM 1 TO 954

BILLING CODE 3510-16-M

SAMPLE

(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 82 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear
(ii) MOLECULE TYPE: protein
(ix) FEATURE:
(A) NAME/KEY: signal sequence
(B) LOCATION: -34 to -1
(C) IDENTIFICATION METHOD: similarity
to other signal sequences, hydrophobic
(D) OTHER INFORMATION: expressed
protease
(x) PUBLICATION INFORMATION:
(A) AUTHORS: Doe, Joan X. Doe, John Q.
(B) TITLE: Isolation and Characterization
of a Gene Encoding a Protease from
Paramecium sp.
(C) JOURNAL: Fictional Genes
(D) VOLUME: 1
(E) ISSUE: 1
(F) PAGES: 1-20
(G) DATE: 02-MAR-1988
(K) RELEVANT RESIDUES IN SEQ ID NO:
2: FROM -34 TO 48
SDLSNG CODE M10-M-M

Here's where sequence 2 starts (after
the sequence data of SEQ ID NO:1.)

SAMPLE

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ATCGGGATAG TACTGGTCAA GACCGGTGGA CACCGGTTAA CCCC GGTTAA GTACCGGTTA .60
TAGGCCATTT CAGGCCAAAT GTGCCCAACT ACGCCAATTG TTTTGCCAAC GGCCAACGTT 120
ACGTTTCGTAC GCACGTATGT ACCTAGGTAC TTACGGACGT GACTACGGAC ACTTCCGTAC 180
GTACGTACGT TTACGTACCC ATCCCAACGT AACCACAGTG TGGTCGCAGT GTCCCACTGT 240
ACACAGACTG CCAGACATTC TTCACAGACA CCCC ATG ACA CCA CCT GAA CGT CTC 295
Met Thr Pro Pro Glu Arg Leu
-30
TTC CTC CCA AGG GTG TGT GGC ACC ACC CTA CAC CTC CTC CTT CTG GGG 343
Phe Leu Pro Arg Val Cys Gly Thr Thr Leu His Leu Leu Leu Gly
-25 -20 -15
CTG CTG CTG GTT CTG CTG CCT GGG GCC CAT GTGAGGCAGC AGGAGAATGG 393
Leu Leu Leu Val Leu Leu Pro Gly Ala His
-10 -5
GGTGGCTCAG CCAAACCTTG AGCCCTAGAG CCCCCCTCAA CTCTGTTCTC CTAG GGG 450
Gly
CTC ATG CAT CTT GCC CAC AGC AAC CTC AAA CCT GCT GCT CAC CTC ATT 498
Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His Leu Ile
1 5 10 15
GTAAACATCC ACCTGACCTC CCAGACATGT CCCCACCAGC TCTCCTCCTA CCCCTGCCTC 558
AGGAACCCAA GCATCCACCC CTCTCCCCCA ACTTCCCCCA CGCTAAAAAA AACAGAGGGA 618
GCCCACTCCT ATGCCTCCCC CTGCCATCCC CCAGGAACTC AGTTGTTTCAG TGCCCACTTC 678
TAC CCC AGC AAG CAG AAC TCA CTG CTC TGG AGA GCA AAC ACG GAC CGT 726
Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg
20 25 30
GCC TTC CTC CAG GAT GGT TTC TCC TTG AGC AAC AAT TCT CTC CTG GTC 774
Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu Leu Val
35 40 45
TAGAAAAAAT AATTGATTTC AAGACCTTCT CCCCATTCTG CCTCCATTCT GACCATTTC 834
GGGGTCGTCA CCACCTCTCC TTTGGCCATT CCAACAGCTC AAGTCTTCCC TGATCAAGTC 894
ACCGGAGCTT TCAAAGAAGG AATTCTAGGC ATCCCAGGGG ACCCACACCT CCCTGAACCA 954

BILLING CODE 3510-18-C

SAMPLE

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Thr Pro Pro Glu Arg Leu Phe Leu Pro Arg Val Cys Gly Thr Thr
-30 -25 -20

Leu His Leu Leu Leu Gly Leu Leu Val Leu Leu Pro Gly Ala
-15 -10 -5

His Gly Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His
1 5 10

Leu Ile Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr
15 20 25 30

Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu
35 40 45

Leu Val

BILLING COOC 3510-16-C

SAMPLE